



U.S. ARMY MEDICAL RESEARCH & MATERIEL COMMAND



Telemedicine and Advanced Technology Research Center

Colonel Karl Friedl,
*Director, Telemedicine & Advanced Technology
Research Center (TATRC)*

Tony L. Story,
Deputy for Research Support

Directing People, Activist Management, Problem Solving





TATRC

• Agenda

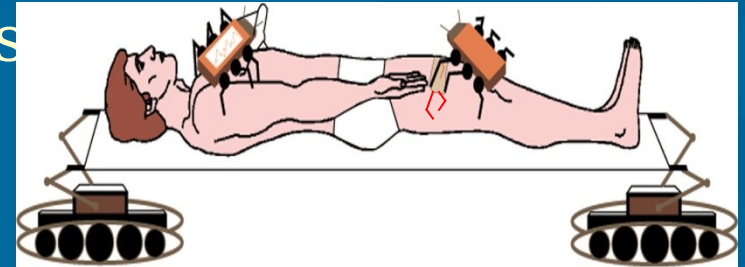
– TATRC Overview

- Partnership/collaborations
- Key Research Portfolio's
- Funding



– Congressional management process

- Requirements
- Proposal preparation
- Post award tools





Telemedicine & Advanced Technology Research Center

Mission

Explore science and engineering technologies ahead of programmed research, leveraging other programs to maximize benefits to military medicine



Vision

Be the government model of opportunity-driven research agility

- Technology scouts
- Transition research innovation to programs of record



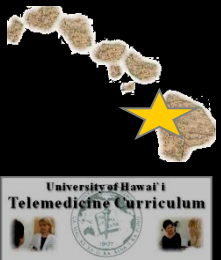
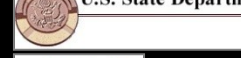
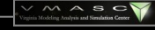


TATRC Approach

- Actively build capabilities and partnerships
 - Seek out and physically introduce partners
 - Actively assist those new to biomedical research (e.g., human/lab animal use; proposal preparation; connect to military priorities)
 - Provide modest resourcing to facilitate teaming (\$200K “sweet spot” for partnerships)
 - Maintain agility, funding important ideas and teams now and adjusting with emerging findings
- Technical review is most critical after the work is underway, with frequent contact, in process reviews, peer review site visits, & midcourse adjustments
- Seek spin-off benefits such as promoting STEM careers and interest in working on military medical problems

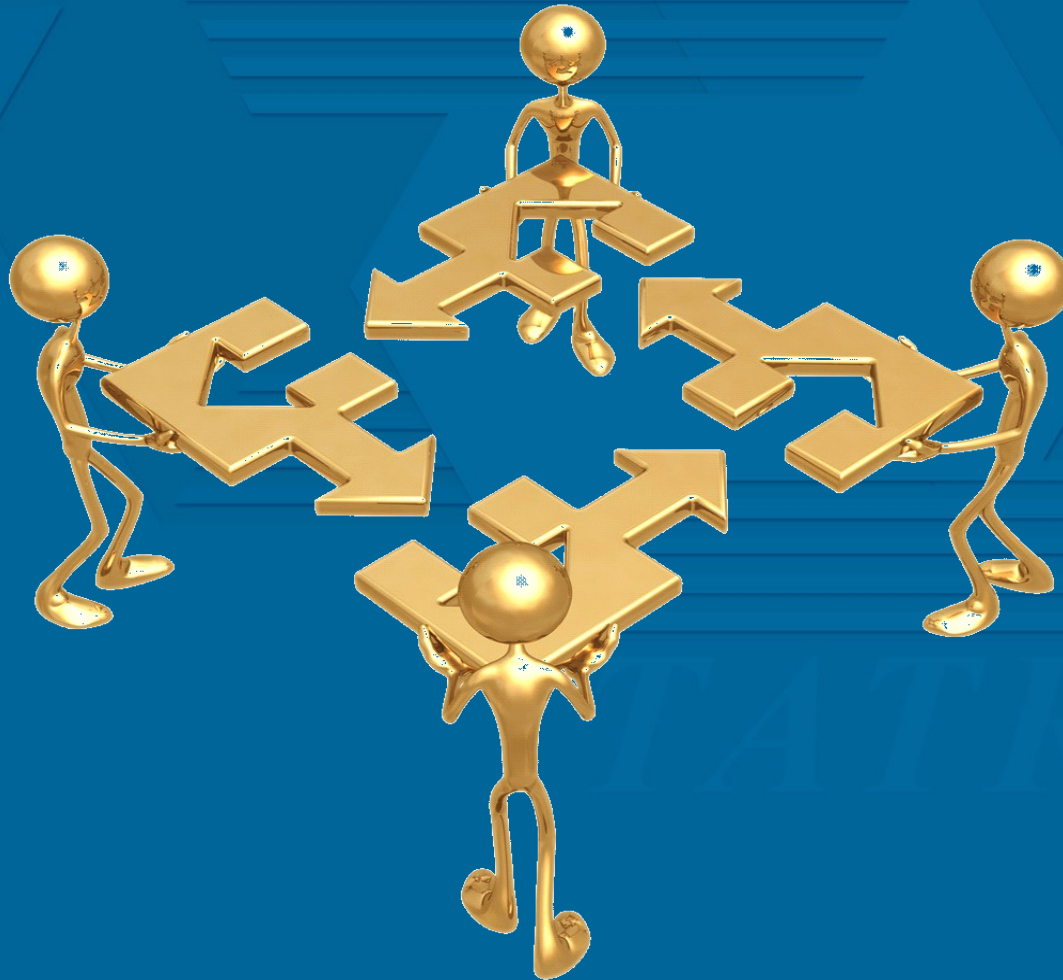


TATRC is a network of public-private partnerships working together to improve military-civilian health





TATRC - Making the Right Connections





Senior
Consultants
Senior Scientist

TATRC Director

Deputy Director
Chief of Staff

Current Staff

4 Military officers
5 Civilians
62 IPAs (incl. 17 part time)
85 Contractors
3 Consultants

Field Offices

TATRC-HUI	Hawaii
TATRC-South	Ft. Gordon
TATRC-West	Los Angeles
TATRC - Northwest	Madigan AMC,
Washington	
Europe liaison	D. Lam (Univ of
Maryland)	

External Subject Matter Experts

J. Shore, U of Colorado	K. Montgomery, Stanford
W. Grundfest, UCLA	Univ
S. Cafey, USC	A. Reisner, Mass Gen Hosp
E. Krupinski, Univ of Arizona	T. Knuth, Henry Ford
D. Fridsma, Univ of Arizona	Hospital
	F. McVeigh Geneva
	Foundation
	A. Vo - Univ of Texas

Assistant Director
for
Research Programs
Chief Scientist

Assistant Director
for Administration

Research
Portfolios

Research
Review
Division

Proposal Review
Board

AMEDD Adv Med
Tech Initiative

External Review
Coordination

Research
Support

Project Officers

RAD 1, 2, 3,4,
Project coordination

Congressional Inquires &
Constituent interface

Product Line Reviews

Technology
Transfer &
Transition

Resources
Management

Information
Technology

Communications
& External Affairs

Logistics

Security, Plans,
Operations &
Training



Research Portfolios

RAD I: Infectious Disease
RAD II: Combat Casualty Care
RAD III: Military Operational Medicine
RAD IV: Clinical Rehab Medicine

Key Product Lines

Current Staff

4 Military Officers
8 Civilians
54 IPAs (includes 10 part time)
88 Contractors
5 Consultants

Medical Robotics
Dr. Gary Gilbert

Health Information Technologies
Mr. Dave Schroeder

Medical Imaging Technologies
Dr. Anthony Pacifico

Advanced Prosthetics and Human Performance
Mr. Troy Turner

Computational Biology
Dr. Jacques Reifman
BHSAI BIC

Biomonitoring Technologies
Dr. Eva Lai

Medical Modeling Simulation and Training Technology
Dr. Kevin K...

Acoustic Trauma
Dr. Michael Holtel

Blood Products and Safety
Mr Wilbur Malloy

Regenerative Medicine
Dr. Eva Lai

Medicine and Biomaterials
Dr. Warren

Trauma
Dr Thomas Knuth

Medical Logistics
Mr. John DePasquale

International Health
Ms Cynthia Barrigan

Infectious Disease
Dr John Carney

Integrative Medicine
Dr Jean-Louis Belard

Neurotrauma
Dr Evgene Golanov

Resilience and Retraining
Ms Ashley Fisher

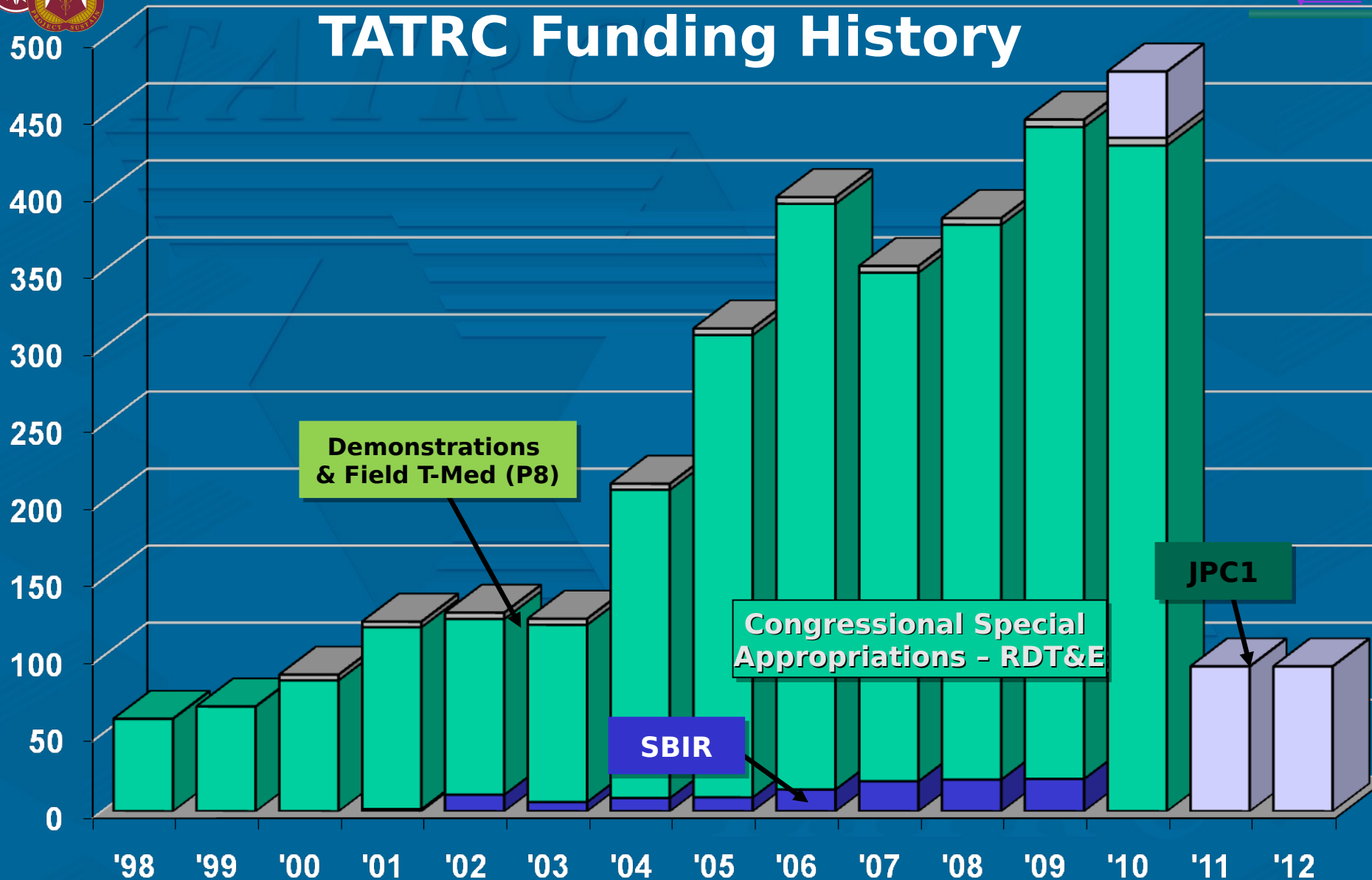
Psychological Health
Dr. Jay Shore

Genomics/Proteomics
Dr Paul Nisson

Vision
Mr. Robert Read



TATRC Funding History



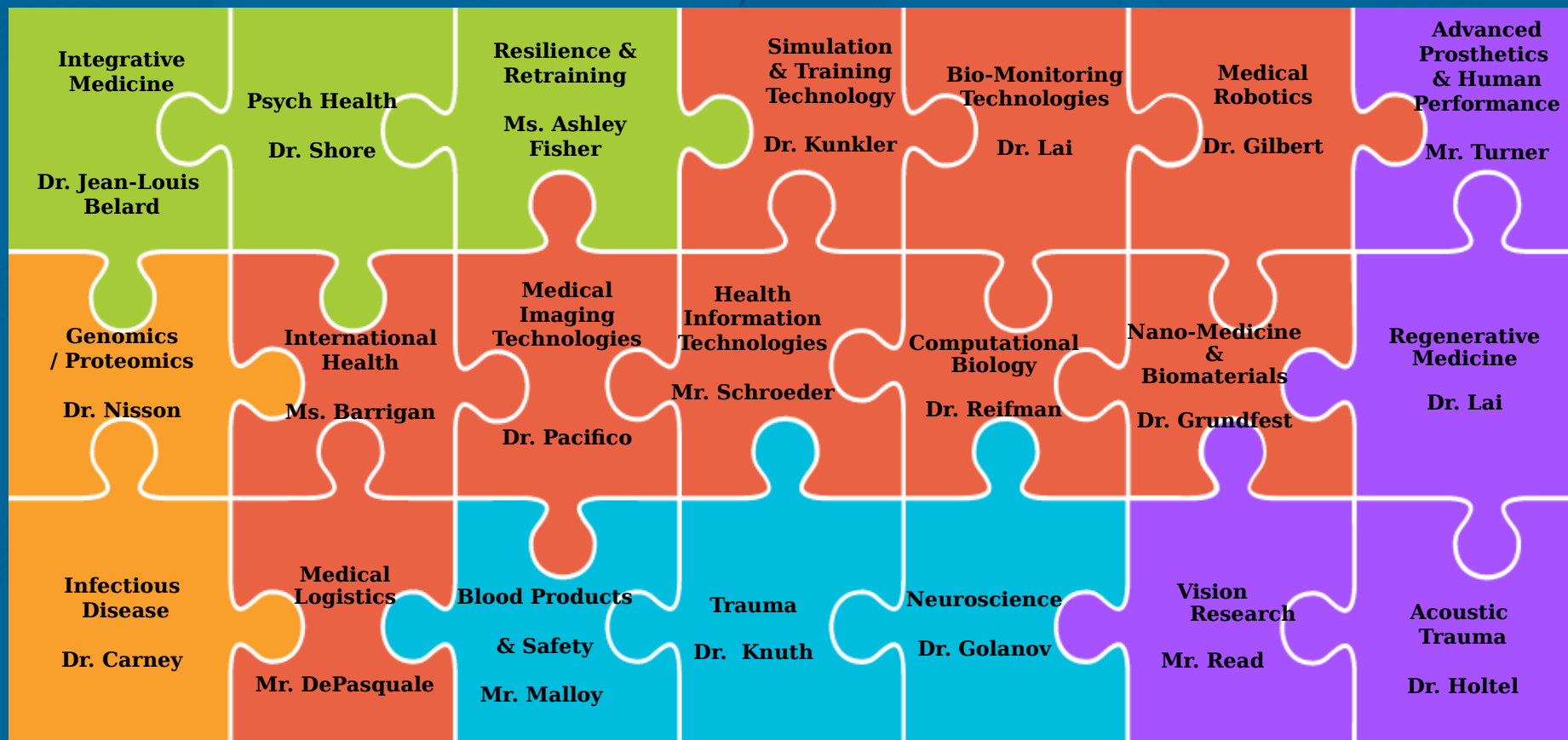
Key Sources: CSI, AAMTI(P8), SBIR/STTR, Reimb./OPM



21 TATRC Portfolios

Joint Technical Coordinating Group

1. Medical Information & Training Technologies
2. Chemical - not managed by TATRC
3. Biological - not managed by TATRC
4. Infectious Diseases
5. Military Operational Medicine
6. Combat Casualty Care
7. Radiation - not managed by TATRC
8. Clinical & Rehabilitative Medicine





General Requirements for Research Awards

- Proposals for R&D funds must be submitted through the **USAMRMC Broad Agency Announcement (BAA) 11-1**, which:
 - Solicits proposals on a rolling basis, with no deadlines
 - Describes research areas of interest to MRMC, including advanced medical technologies, combat casualty care, operational medicine, and infectious disease
 - Proposal review and approval process
- An independent process exists for the review and approval of research protocols (i.e., IRB, IACUC, etc.)

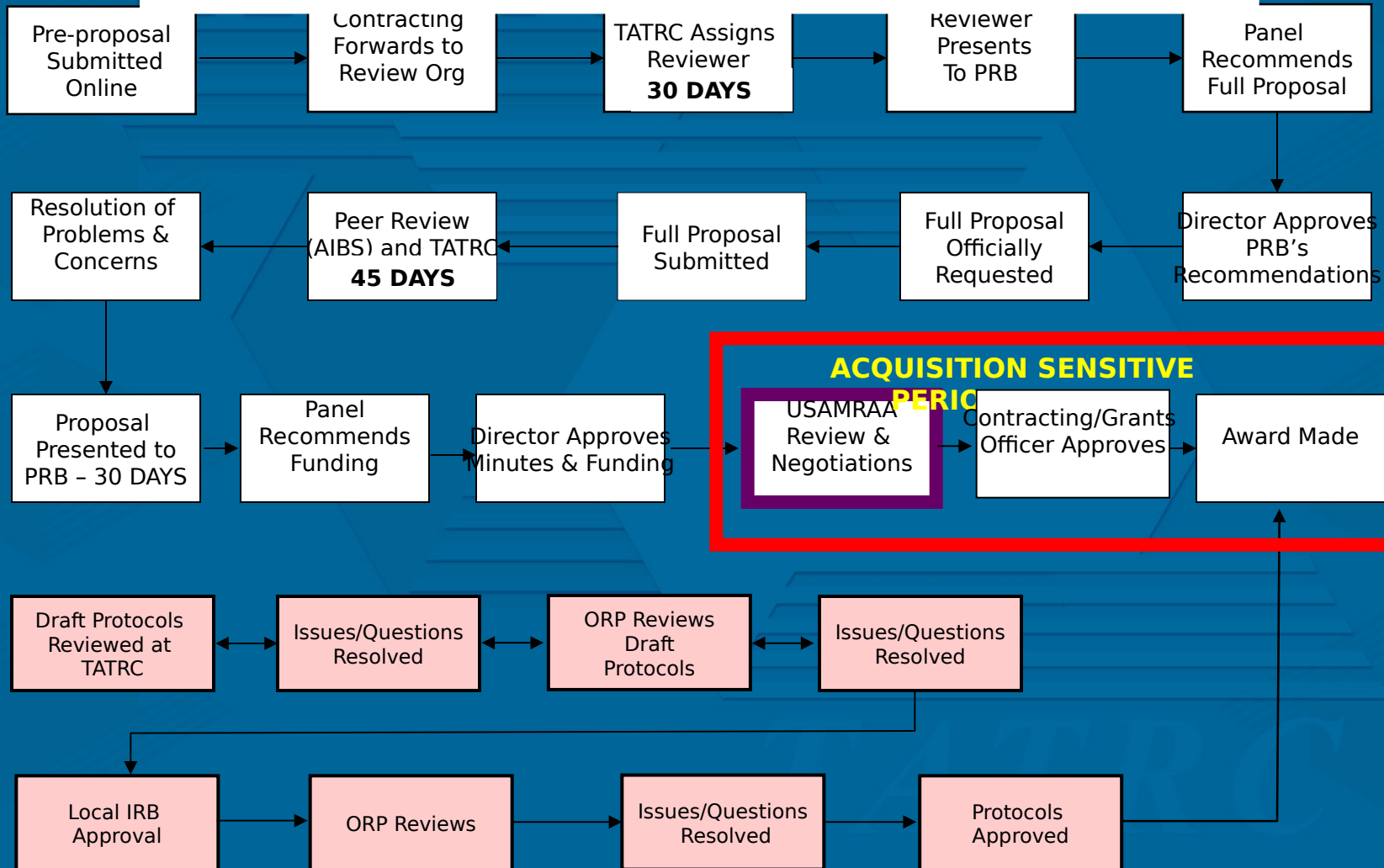


The Basics: Required Documents

- Pre-proposal: # 5 pages, minimal detail in narrative and in budget (character count)
 - Submit online in accordance with BAA 11-1 instructions (<http://www.usamraa.army.mil>)
 - Problem to be studied
 - **Hypothesis/Deliverable(s)/Research plan**
 - Failure to articulate this information can result in a declination from the proposal review board
 - Significance and/or uniqueness of the proposed effort
 - Military relevance
 - Duration of the project
 - Animal/human use
 - Curriculum vitae/ publications
 - **Tell us when you have submitted your pre-proposal!**
This is ESSENTIAL for ensuring that it is routed properly for review.



PROPOSAL & PROTOCOL PROCESSES - R&D FUNDS



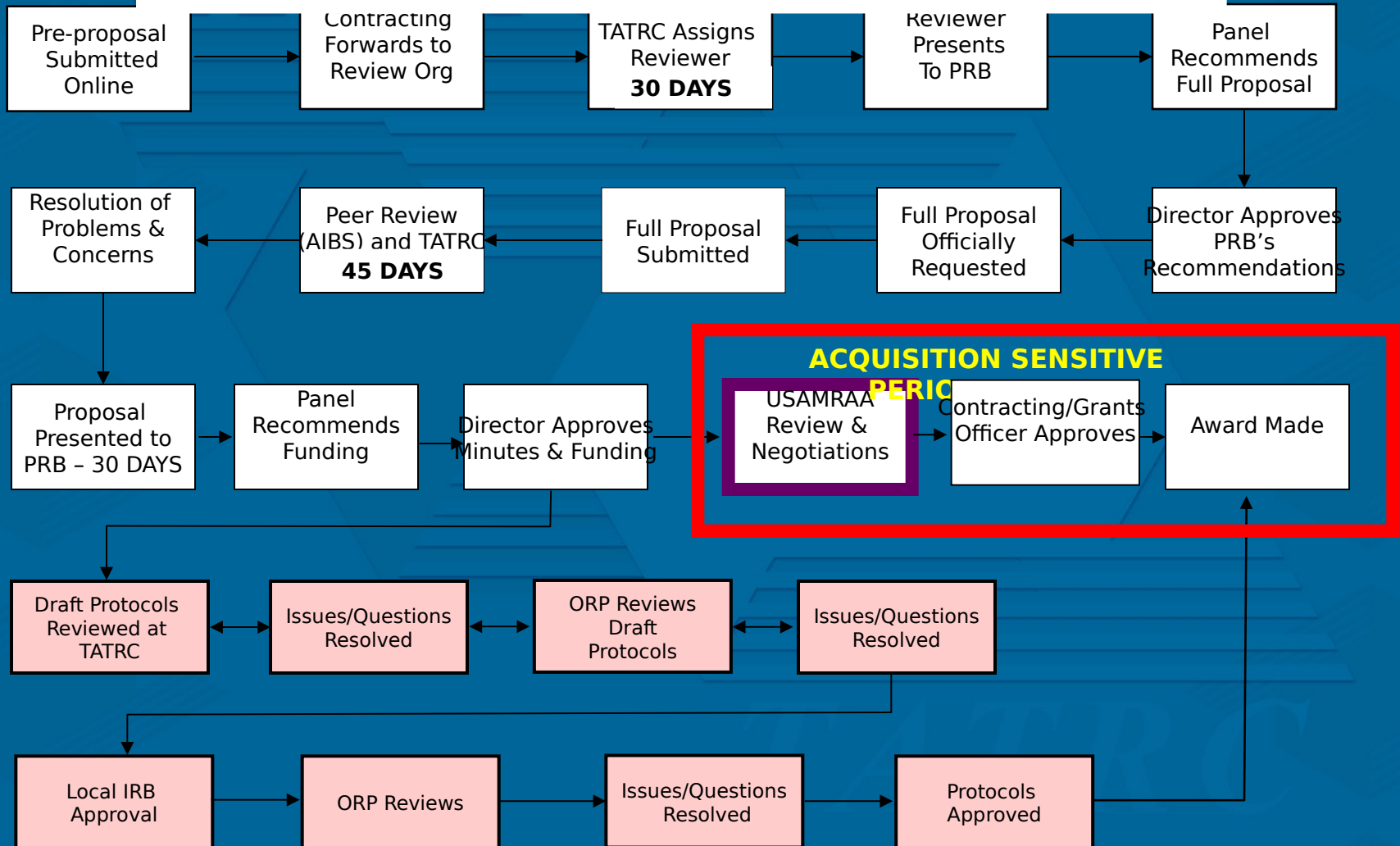


Essential Elements of a Full Proposal

- Full proposal: lengthy and detailed with full budget
 - Submit using grants.gov site, per BAA 11-1 instructions (URL as above)
 - Research Hypothesis, Study or Test & Evaluation
 - Metrics
 - Timeline with milestones (most importantly, your “critical path”)
 - Deliverables
 - Period of Performance – Set by research plan/budget outlined in proposal



PROPOSAL & PROTOCOL PROCESSES - R&D FUNDS





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TELEMEDICINE & ADVANCED TECHNOLOGY RESEARCH CENTER

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The Telemedicine & Advanced Technology Research Center (TATRC) performs medical reconnaissance and special operations to address critical gaps that are underrepresented in DoD medical research programs. TATRC is an office of the headquarters of the US Army Medical Research and Materiel Command (USAMRMC). TATRC fosters research on health informatics, telemedicine/m-Health, medical training systems, and computational biology, and promotes and manages science and engineering in other key portfolios. Through an extensive network of partners, TATRC is focused at both ends of the research spectrum, exploring models of high risk and innovative research, and putting research findings into the hands of warfighters while looking toward wider civilian utility. TATRC augments core medical research programs through special funding and partnership opportunities.



UPDATED
NOVEMBER 23 2009

ANNOUNCEMENTS



FY 10 Medical Modeling & Simulation Funding Opportunity

FY 09 Vision Research Program Announcement (VRPA)



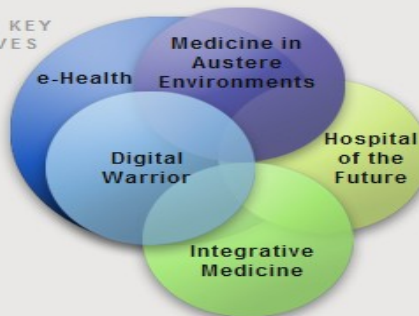
Now accepting AAMTI FY10 Full Proposals

RECENT EVENTS



ATA Mid-Year meeting Sept 2009

TATRC's KEY INITIATIVES



[FUNDING OPPORTUNITIES](#)

[INVESTIGATOR TOOLS](#)

[PORTFOLIOS](#)

[PROJECTS](#)

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[USAMRMC BAA 08-1
SBIR/STTR](#)

[AMEDD Advanced Medical Technology Initiative
\(AAMTI\)](#)
[DoD/VA Joint Incentive Fund \(JIF\)](#)

UPCOMING TATRC EVENTS



[May 16, 2010](#)

**ATA 2010: 15th Annual
International Meeting &
Exposition**

[Read More](#)

Nov 2009						
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8	9	10	11	12	13	14
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22	23	24	25	26	27	28
29	30					

TATRC
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LOGIN



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